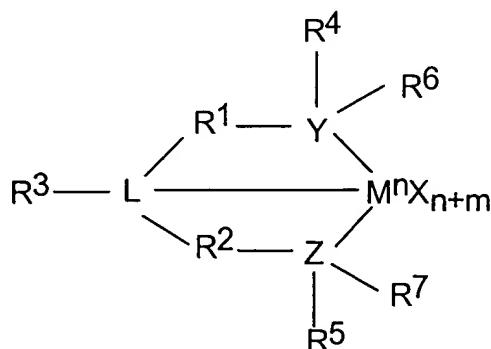


METHOD OF POLYMERIZATIONABSTRACT

This invention relates to a composition of matter represented by the formula below, and to a polymerization process comprising combining an olefin in the gas or slurry phase with an activator, a support and a compound represented by the following formula:



wherein

M is a group 3 to 14 metal,

each X is independently an anionic leaving group,

n is the oxidation state of M,

m is the formal charge of the YZL ligand,

Y is a group 15 element,

Z is a group 15 element,

15 L is a group 15 or 16 element,

R¹ and R² are independently a C₁ to C₂₀ hydrocarbon group, a heteroatom containing group, silicon, germanium, tin, lead, phosphorus, a halogen,

R¹ and R² may also be interconnected to each other,

20 R³ is absent, or is hydrogen, a group 14 atom containing group, a halogen, a heteroatom containing group,

R⁴ and R⁵ are independently an aryl group, a substituted aryl group, a cyclic alkyl group, a substituted cyclic alkyl group, or multiple ring system,

R⁶ and R⁷ are independently absent or hydrogen, halogen, a heteroatom or a hydrocarbyl group, or a heteroatom containing group.